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**Lanar et al.**

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(54) **PLASMODIUM FALCIPARUM AMA-1  
PROTEIN AND USES THEREOF**

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See application file for complete search history.

(\*) Notice: Subject to any disclaimer, the term of this  
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(56) **References Cited**

U.S. PATENT DOCUMENTS

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**A61K 39/15** (2006.01)

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(57) **ABSTRACT**

In this application is described the expression and purification of a recombinant *Plasmodium falciparum* (3D7) AMA-1 ectodomain. The method of the present invention produces a highly purified protein which retains folding and disulfide bridging of the native molecule. The recombinant AMA-1 is useful as a diagnostic reagent, for use in antibody production, and as a protein for use alone, or as part of, a vaccine to prevent malaria.

**20 Claims, 9 Drawing Sheets**